



Earth Science Technology Program

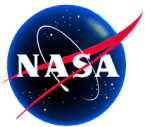
Current Events

May 8, 2001



Topics

- IIP '01 NRA Solicitation Update
- 2001 NASA Technology Inventory
- IGARSS 2001

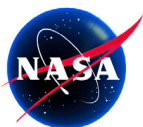


IIP '01 NRA Proposal Statistics

64 Proposals received on May 1, 2001

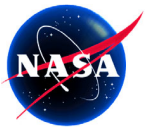
Organization	Number	
NASA (including JPL)	37	58%
Other government	4	6%
Academia	10	16%
Industry	13	20%
Total	64	

Technology Area	Number	
Laser	19	30%
Microwave Radiometry	11	17%
Radar	11	17%
Other	23	36%
Total	64	



IIP NRA Evaluation Schedule

Proposals Received	5/1/2001
Proposal Binning	5/2/2001 - 5/12/2001
Assign Reviewers	5/7/2001 - 5/12/2001
Distribute Proposals	5/12/2001 - 5/15/2001
Peer Review	5/15/2001 - 6/11/2001
Panel Prep	6/11/2001 - 6/19/2001
Panel Meeting	6/19/2001 - 6/21/2001
Plenary Session	6/21/2001
Executive Session	6/22/2001
Criteria Analysis	6/25/2001
Announcement Prep	7/6/2001 - 7/12/2001



2001 NASA Technology Inventory

- 2001 NASA Technology Inventory completed on April 30, 2001.
- Earth Science Enterprise was the ONLY NASA Enterprise to complete the technology inventory update on time (i.e., 100% response).
- Of the 3,703 total entries in the Technology Inventory Database, the ESE has 246 active technology investments.
- Total for all ESE technology investments:

FY01

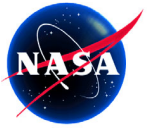
\$117.4 M

FY02

\$86.2 M

FY03

\$45.7 M



Rollout of Vision effort at IGARSS 2001

Two full sessions at IGARSS (one day) are devoted to NASA's Earth Science Enterprise.

- First session presents a *science perspective* and is titled:
 - An Earth Science Vision: Sensing the Health of the Planet in the 21st Century "Mastering the Weather Prediction Nemesis"
- First session papers are:
 - Weather Prediction Improvement Using Advanced Satellite Technology.
 - Living on a Restless Earth.
 - Enhancing Our Biological and Ecological Predictive Capabilities.
 - Pathways to Predicting Atmospheric Composition
 - Ocean Ice and Climate: Slow Dance of a Complex System.
 - The Earth Science Vision: An Intelligent Web of Sensors
- First session ends with a panel discussion.



Rollout of Vision effort...

- Second session presents a *technology perspective* and is titled:
 - Earth Science Technology Challenges: Supporting NASA's Earth Science Vision
- Second session papers are:
 - Earth Science System Of The Future: Observing, Processing, and Delivering Data Products Directly to Users.
 - The Future of Instrument Technology for Space-based Remote Sensing.
 - The Role of Advanced Information System Technology in Remote Sensing for Nasa's Earth Science Enterprise in the 21st Century.
 - Achieving the Earth Science Enterprise Vision for the 21st Century: Platform Challenges.
 - A Geosynchronous LIDAR System for Atmospheric Winds, Temperature, and Moisture Measurements.
 - A Geosynchronous Synthetic Aperture Radar Provides for Disaster Management, Measurement of Soil Moisture, and Measurement Of Earth-surface Dynamics
 - Interferometric Characterization of the Earth's Atmosphere From Lagrange Point 2.
 - Processors, Pipelines, and Protocols for Advanced Modeling Networks.